



Project: Alaska Copper Works

Inspection Date: 6/13/19

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm) Influent n/a Effluent n/a The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent n/a Effluent n/a The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent n/a Effluent n/a

Carbon Filter Pressures (Lead) Influent n/a Effluent n/a The carbon filters should be backflushed if differential

Carbon Filter Pressures (Lag) Influent n/a Effluent n/a pressure > 8 psi

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

| Task | Completed (Y/N) | Issues/Notes/Comments |
|----------------------------------|---|--|
| Walchem Controller Inspected | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Water level below shutoff, system not ran |
| Flow Meters Inspected | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Level Sensor Cleaning/Inspection | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Inspect System Plumbing | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Drip on pretreat decant line between tanks |
| Pumps Inspected | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| General Housekeeping | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Chemistry Level | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | ~70 gal |
| Safety Materials Inspected | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| pH Probe Inspection/Calibration | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Verified with handheld, ok |



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

| | | | | | |
|------------------------|----|------------|-----------|------------|-----|
| Raw water: | pH | <u>n/a</u> | Turbidity | <u>n/a</u> | NTU |
| Bag Filter Influent | pH | <u>n/a</u> | Turbidity | <u>n/a</u> | NTU |
| Bag Filter Effluent | pH | <u>n/a</u> | Turbidity | <u>n/a</u> | NTU |
| Carbon Filter Influent | pH | <u>n/a</u> | Turbidity | <u>n/a</u> | NTU |
| Carbon Filter Effluent | pH | <u>n/a</u> | Turbidity | <u>n/a</u> | NTU |

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

| | |
|---------------------|------------|
| Decant Tank: | <u>n/a</u> |
| Treatment tank: | <u>n/a</u> |
| Backflush tank: | <u>n/a</u> |
| Main lift station: | <u>n/a</u> |
| North lift station: | <u>n/a</u> |
| South lift station: | <u>n/a</u> |

Additional Comments, Recommendations and System Upsets:

No water in vault and no water discharged to carbon vessels.
P-trap installed on effluent flow-meter.
Observed water entering catch basin from adjacent structure south from the system.
Siliconed the bulkhead on the the PT tank to stop drip.

David DuBois

Technician

Project Lead Tech

Title

6/13/19

Date

Submit